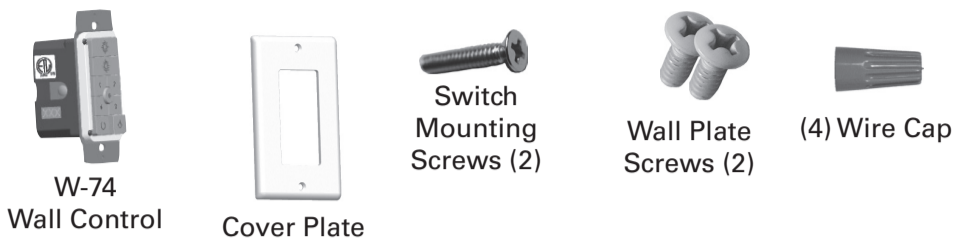# CASABLANCA® FAN COMPANY

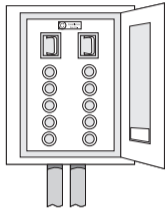## W-74 WALL CONTROL INSTALLATION

**(For use on product with BOTH UP and DOWN LIGHTS ONLY)**

## W-74 WALL CONTROL HARDWARE

W-74 Wall Control

Cover Plate

Switch Mounting Screws (2)
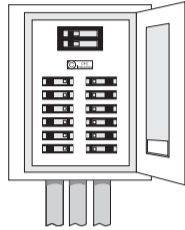
Wall Plate Screws (2)

(4) Wire Cap

## W-74 WALL CONTROL PREPARATION

**Fuse Box**
(Remove fuse for the circuit you will be working on)

**Circuit Breaker**
(Trip breaker for the circuit you will be working on)

**WARNING!**
To avoid possible electrical shock, make certain that electricity is turned off at the circuit breaker or fuse box before attempting any installation or repair procedure
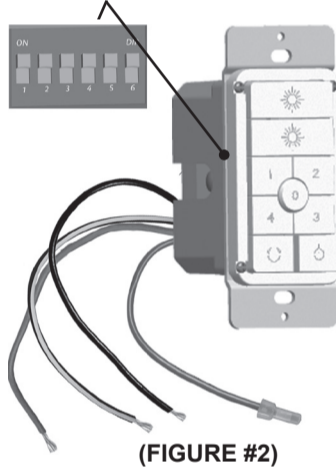
CAUTION! NOT turning the power OFF at the circuit breaker or fuse box may cause damage to the electronics within the wall control and or the PC board on the fan.

## SETTING THE FREQUENCY

To use this switch with an existing W-74 wall switch, you must first set the jumpers on the new switch to match that of the existing one.

1. Turn off power to the existing wall switch.

2. Using a screw driver, remove the (2) wall plate screws, then remove the (2) switch mounting screws.

3. Gently remove the existing wall switch from the wall and locate the dip switches located on the side of the switch.

4. Change the dip switches on the new wall switch to match the exisiting. (FIGURE 2)

5. Reinstall the existing wall switch.

**DIP SWITCHES**

**(FIGURE #2)**

## INSTALLING THE WALL CONTROL

The wall control installs in the same manner as an ordinary light switch, using an existing wall box and wiring. This controller is designed to signal the fan microcomputer as well as perform normal switching operations. For this reason the following precautions must be observed:

1. Use only the Casablanca W-74 wall control.

2. Do not use any additional control with your Direct-Touch™ fan (for example, dimmer, or fan speed control).

3. Do not use more than one fan per wall control.

4. No other light fixtures or electrical appliances may be connected on the circuit controlled by the W-74 wall control.
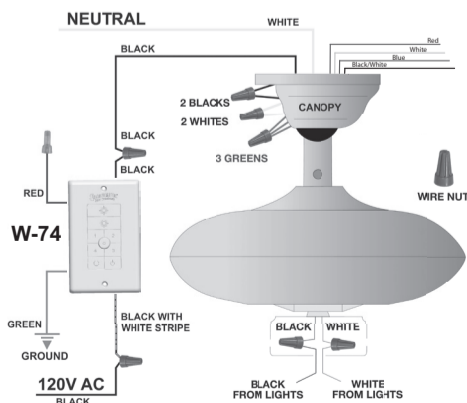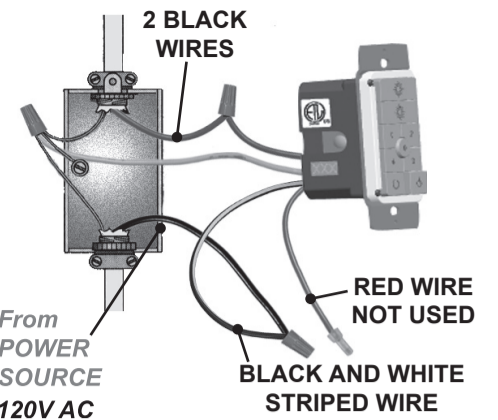
## SINGLE W-74 INSTALLATION

**CAUTION!**
**Ensure power is turned OFF at the breaker or fuse panel before starting installation.**

If you have multiple Direct-Touch™ fans, refer to the section "Channel Changing".

1. Remove the screws and switch plate from the existing switch box.

2. Remove the screws holding the switch in the switch box.

3. Pull the existing switch from the switch box to expose the wire connections.

4. Remove the two wires from the switch.
5. Connect the BLACK wire from the POWER SOURCE that you just removed from the switch to the BLACK/WHITE STRIP wire on the W-74 wall control. Secure this connection with a wire nut.

NEUTRAL WHITE
BLACK
2 BLACKS
2 WHITES
CANOPY
BLACK
BLACK
3 GREENS
RED
W-74
WIRE NUT
GREEN
GROUND
BLACK WITH WHITE STRIPE
BLACK WHITE
120V AC
BLACK
BLACK FROM LIGHTS
WHITE FROM LIGHTS

6. Connect the second BLACK wire that you just removed from the switch to the second BLACK wire on the located on the back of the W-74 wall control. Secure this connection with a wire nut.

7. Connect the green ground wire coming from the back of the W-74 control to the ground wire in the switch box. Secure the splice with a wire nut.

**NOTE:** The RED wire is not used in this application. DO NOT remove the crimped cap from the wire.

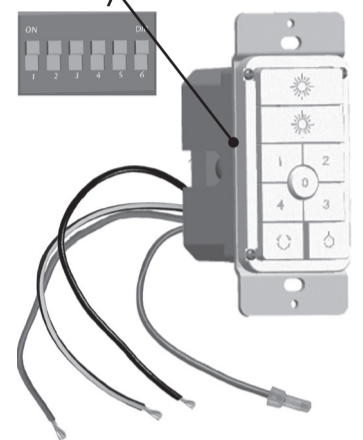8. Check your work by using the wiring diagrams as shown in Figure #3.

9. Install the W-74 in the wall box with the two long screws provided.

10. Install the wall plate with the two color-matched screws.

2 BLACK WIRES

*From POWER SOURCE 120V AC*

**RED WIRE NOT USED**

**BLACK AND WHITE STRIPED WIRE**

**(FIGURE #3)**

## DUAL W-74 INSTALLATION

To control the fan and lights from two locations (a three-way circuit), use two W-74 wall controls as shown in the wiring diagram in Figure #5. Before installing the two switches into the wall, place both switches side by side, then locate the 4 dip switches on the side of the two switches. Then make sure that the dip switches are set to the same address on both switches as shown in Figure #4. When setting these dip switches you are setting the channel number that is required to control both your fan and lights from both sides of the room. If you are installing other Direct-Touch™ fans within your home you may need to reset the dip switches on these other fans to a different channel before installing your W-74 wall control into the wall. Please review the section on channel changing on this instruction sheet.
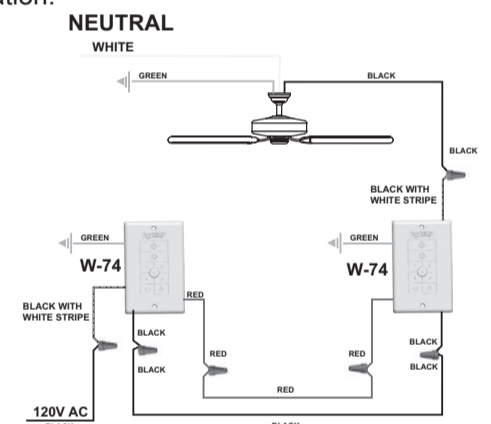
**DIP SWITCHES**

**(FIGURE #4)**

**CAUTION!**
Ensure power is turned OFF at the breaker or fuse panel before starting installation.

To control the fan and lights from two locations (a three-way circuit), use two W-74 wall controls.
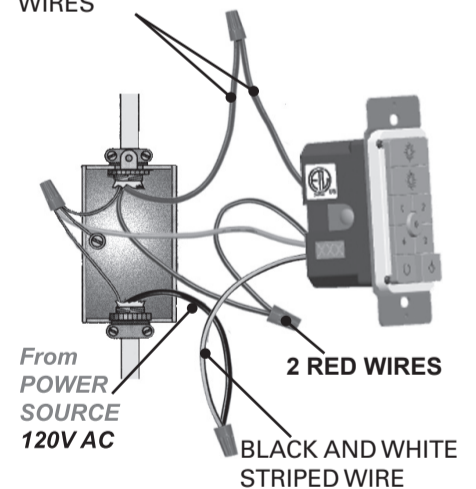
1. Remove the screws and switch plate from the existing switch box and the screws holding the switch in the switch box.

2. Pull the existing switch from the switch box to expose the wire connections.

3. Determine which wire is connected to the common terminal from the power source (120V AC) of the three-way switch. (The terminal will be marked on switch).

4. Remove the wire from the common terminal of the three-way switch. Connect this wire to the remaining black/white striped wire on the W-74 control. Secure this splice with a wire nut.

5. Remove the two remaining wires from the three-way switch. Connect the black wire of these wires to a black wire on the W-74 control. Secure the splice with a wire nut. The remaining red wire is to be connected to the other red wire on the W-74. Secure the splice with a wire nut.

6. Connect the green ground wire coming from the back of the W-74 control to the ground wire in the switch box. Secure the splice with a wire nut.

NEUTRAL WHITE
GREEN BLACK
BLACK
BLACK WITH WHITE STRIPE
GREEN
W-74
GREEN
W-74
BLACK WITH WHITE STRIPE
BLACK
RED
RED
BLACK
BLACK
BLACK
RED
BLACK
120V AC
BLACK
BLACK
RED
**(FIGURE #5)**

7. Check your work by using the wiring diagrams as shown in Figure #5 on this page.
8. Install the W-74 in the wall box with the two long screws provided.
9. Install the wall plate with the two short color-matched screws provided.
10. Installation of the second W-74 control is identical. Repeat steps 1 through 9.

2 BLACK WIRES

W-74 Wall Control

*From POWER SOURCE 120V AC*

**2 RED WIRES**

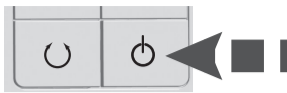**BLACK AND WHITE STRIPED WIRE**

**(FIGURE #6)**

## CHANNEL CHANGING

Each fan must operate on it's own frequency to prevent interference. Fan frequencies are set by the dip switch settings on the W-74 wall control (other than to match an existing W-74 controlling the same fan). To synchronize the fan to the new frequncy:
1. Turn the power OFF to the fan and W-74 you want to synchronize.
2. Turn the power back on to the fan and W-74 wall control.
3. Within 20 seconds of restoring power to the ceiling fan and the W-74 Wall Control press and hold both the "1" and ⟳ reverse buttons. For 3 seconds, you will hear one tone from the Piezo Buzzer indicating the command has been accepted. The Fan and Lights will be off.
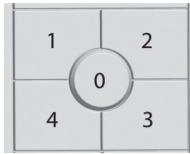
## OPERATION

The ⏻ power button is normally left in the on position. Always turn the power off during cleaning or servicing the fan and during thunderstorms. It is also used to exit or enter additional programs.
The ⏻ power button must be left on to retain a previously set fan speed or light level.

## OPERATION SPEED CONTROL

There are five individual speed settings for the fan. Each speed is indicated by the number on the controller and an audible tone for each speed.

**To select the desired fan speed:**
Press the number on the controller corresponding to the speed desired. 4 is high, 3 medium, 2 low, 1 ultra-low, and 0 is off.

Note: It is normal for the fan to start in the "High" position from "Off" before changing to the selected speed.

## OPERATION REVERSING AIRFLOW

The direction of airflow can be changed from downward to upward or from upward to downward.

**To reverse the airflow:**
1. Make sure the fan is on and blades are turning.
2. Press the ↻ reverse button. You will hear a series of clicks from the fan as it speeds up before coming to a stop and changing direction.

## OPERATION LIGHTS

To turn the lights off and on, press and release the ☀ button for either the up or down lights for less than one second.

To dim either the up or down light, Press and hold the ☀ button for either the up or down light for more than 1 second. The light will come on at the last brightness setting and increase in brightness until full power is reached, then start dimming until the lowest setting is reached. This cycle will repeat until you release the light button.

Up Light

Down Light

Note: The dimming feature will only work as long as the dimming feature remains active. See "Operation CFL mode".

## OPERATION CFL MODE

Your fan has the ability to disable the dimming feature to allow the use of CFL bulbs.

To activate CFL mode:
1. Turn the fan off by pressing the ⏻ power button.
2. Allow the fan to remain off for at least 5 seconds.
3. Press the power button again to restore power to the fan.
4. Immediately press and hold the "1" and "3" buttons for at least 5 seconds. The fans lights will go to 100% brightness and the dimming function will be disabled.

To cancel CFL mode:
5. Turn the fan off by pressing the ⏻ power button.
6. Allow the fan to remain off for at least 5 seconds.
7. Press the power button again to restore power to the fan.
8. Immediately press and hold the "2" and "4" buttons for at least 5 seconds. The fans lights will dim to 50% brightness and the dimming function will be enabled. Press and hold the light buttons until the desired dimmer setting is reached.

Caution: CFL bulbs will not function properly when dimmed, which may result in flickering or reduced bulb life.

## AUTOMATIC DEMONSTRATION PROGRAM

Programmed into every Direct-Touch fan is an Automatic Demonstration Program. It can be used to fully demonstrate and test the operation of the fan.

Note: With CFL mode active, the lights will not dim.
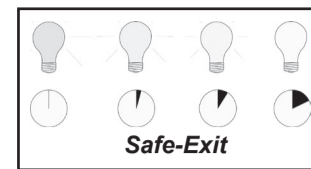
**To enter the demonstration program:**
1. Turn the ⏻ power button off for at least 5 seconds. This will clear the fan memory ready for programming.
2. Turn the ⏻ power button on.
3. Immediately hold the "0" button for at least 5 seconds.

A multi-tone signal will verify the start of the test program. The fan and lights will go through a series of changing fan speeds, reversing the fan operation mode, turning off/on, and dimming the lights.

The complete cycle lasts slightly over one minute. It will continue to repeat until the ⏻ is turned off for more than five seconds, cancelling the program.
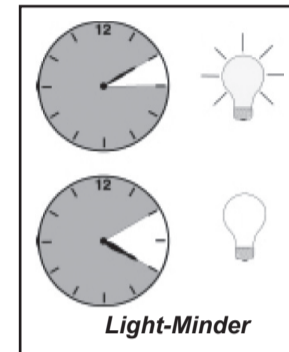
## OPERATION SAFE-EXIT®

The Safe-Exit Program gives you about thirty seconds of light when you turn the lights off, enabling you to exit your home before the lights go out. To enter the Safe-Exit Program:
1. Press the ⏻ power button off for at least five seconds.
2. Turn the Power on. Immediately press and hold the "4" button for 5 seconds. When a light button is pressed, an audio tone and series of lights blinking will indicate the program is active. When CFL mode is disabled, the Lights will stay on at 50% brightness for 20 seconds then decrease in intensity for 30 seconds then turn off.
3. With CFL mode active, the lights will turn off after 30 seconds.
4. To cancel the Safe-Exit Program, press the ⏻ power button and leave off for five seconds.

*Safe-Exit*

## LIGHT-MINDER® PROGRAM

The Light-Minder Program automatically turns OFF the fan mounted lights after two hours. To enter the Light-Minder Program:

1. To operate the lights for Light Minder Program – Turn the ⏻ power button off for at least 5 seconds.
2. Turn the ⏻ on. Immediately press and hold the "1" button for 5 seconds. A series of tones will be heard through the piezo-buzzer indicating the command has been accepted. Once the lights turn on, they will automatically turn off after 2 hours.
3. Light operation still remains normal, if you leave the room and turn OFF the lights, the lights will blink to indicate the Light Minder command has been accepted. The lights will stay on for 2 hours and then begin to dim. After thirty seconds have elapsed, the lights will turn completely off. In CFL Mode, the lights will not dim, but shut off after 2 hours.
4. To cancel the Light Minder Program, press the ⏻ power button and leave off for five seconds.

*Light-Minder*

## OPERATION HOME-SAFE® PROGRAM

1. To operate the Home-Safe Program – Turn the ⏻ power button off for at least 5 seconds.
2. Turn the ⏻ on. Immediately press and hold the "3" button for 5 seconds. A series of tones will be heard through the piezo-buzzer indicating the command has been accepted.
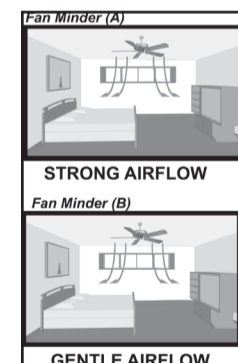
Note: This program overrides all manual control of lights and fan.

3. The lights will automatically cycled on and off in a controlled sequence as follows: ON 1 hour, OFF ½ hour, ON 2 hours, OFF 1 hour, ON ½ hour then OFF 2 hours. This seven hour pattern will repeat continuously so that a different pattern of lighting is seen each day of the week.
4. 4) To cancel the Home-Safe Program, press the ⏻ Button OFF for five seconds.

## OPERATION FAN-MINDER™ PROGRAM

The Fan-Minder feature will add to your comfort when used in the bedroom. The program reduces the speed of the fan each two-hour interval to compensate for cooling night air.

1. To operate the lights for Light Minder Program – Turn the ⏻ power button off for at least 5 seconds.
2. Turn the ⏻ on. Immediately press and hold the "2" button for 5 seconds. A series of tones will be heard through the piezo-buzzer indicating the command has been accepted. Once the lights turn on, they will automatically turn off after 2 hours.
3. The fan will respond with three descending tones. A timer is now initiated and the fan will reduce one speed for each two-hour interval. The fan will not, however, descend below the first or the lowest speed.
4. You may increase the fan speed by pressing and holding any of the fan speed buttons until the desired speed is reached, then release it. The fan will again reduce one speed for each 2 hour interval.
5. To cancel the Fan-Minder Program, turn the ⏻ OFF for 5 seconds.

Fan Minder (A)

STRONG AIRFLOW

Fan Minder (B)

GENTLE AIRFLOW